

APR 09 1986

State of Illinois

Dept. & Div. ILL EPA-MPCP Inspector Shay L Minton Date 3/25/86
 Mine Name FIDELITY # 11 Mine Company FREEMAN UNITED COAL COMP
 (Signature) CONTROL PROGRAM

IEPA M & M
 Permit No. IL0000302 Permit No. _____ County PERRY

General Location Approx 5 miles West of Du Quoin

Arrival Time 10:30 A Weather Conditions WARM, VERY WINDY, CLEAR SKY

RECLAMATION TYPE (Check Appropriate Type)

Mine Includes Prime Land Yes/ No
 Steep Slope Rule Applies Yes/ No
 Coal Preparation Yes/ No
 Not Applicable —

Reason for Visit: FOLLOW-UP TO DISCHARGE

Persons Contacted: POINT RELOCATION
GARY POTTER - FOREMAN

BILL SMITH - PERMIT MGR

GLEN HAMILTON - RECLAMATION SUP

PARAMETER CHECKLIST

1. Availability of: A — permits B — Plans
2. Imminent Danger to Public Health and Safety —
3. Significant Imminent Environmental Harm —
4. Signs and Markers: A. mine entrance B. perimeter C. blasting D. topsoil E. perimeter observance 1. 100' zone 2. 300' zone F. permit area correlation G. not investigated H. not applicable
5. Disposal Spoil and Waste Material Outside Pit or Direct Cast Site: A gob disposal
 1. site capacity 2. covering 3. vegetation B. within permit area C. site approved
 D. slope of site E. steep slope rules F. valley fill or head of hollow fills:
 1. permit area 2. location near ridge top 3. fill design 4. fill construction
 5. steep slope rules 6. under drains 7. lateral drains 8. controlled placement
 9. engineer inspection G. not investigated H. not applicable
6. Soil Handling: A. removal before other disturbance B. storage C. protection
 D. thickness E. root medium F. other overburden G. toxic material handling
 H. root medium satisfactory for top soil replacement (slope, thickness, texture)
 I. topsoil replaced J. grading current K. rills and gullies L. erosion control systems M. timely revegetation and mulching N not investigated O. not applicable
7. Prime Land: A. prime land determination B. soil horizon removal prior to other disturbance C. thickness removed D. approved horizon storage E. protection of stockpiles F. horizon replacement and thickness G. protection of replaced horizons H. grade 1 not investigated J. not applicable
8. General Water Quality and Hydrology: A waterways 1. unaffected area drainage diverted 2. affected area drainage ditches and berms 3. system maintenance B. grading C. vegetation D. toxic material E. horizontal boreholes F sediment ponds: 1. size 2. structure 3. spillway 4. clean out 5. over 20' high or over 20 acre feet storage (— yes/— no) 6. seepage 7. structural weakness 8. discharge structure 9. chemical treatment system 9. (a). permitted — yes/— no G. discharge water quality H. buffer zone (100') observance I. zone markers J NPDES permits required ✓ yes/— no K. water quality L. not investigated M. not applicable

☐ TEMPORARY REPORT

☒ FINAL REPORT


Mine Name FIDELITY * //

9. Stream Channel or Other Water Diversion: (A)/temporary/ or permanent B. size adequacy C. stability D. gradient E. grade stability F. suspended solids G. sediment control H. channel design I. erosion control structures J. fish and wildlife protection K. vegetation L. removal of temporary structures M. structure removal procedures N. not investigated O. not applicable
10. Road Hydrology: A. culverts (B) ditches C. location choice D. grade E. stream closeness F. ditch relief drains G. outslope drains H. construction material toxic/ non-toxic I. maintenance J. railroad spur hydrology K. vegetation L. not investigated M. not applicable
11. Impoundment Structures: A. M.H.S.A. construction observance B. coal waste in structure C. freeboard D. stability E. seepage F. engineer inspection G. dam marker H. maintenance I. ditch and spillways J. changes in geometry of structure (K) not investigated L. not applicable
12. Steep Slope Procedure: A. spoil on outslope B. debris C. highwall removal D. disturbance above highwall E. excess spoil F. instability of spoil and woody material G. not investigated (H) not applicable
13. Preparation Facility (includes crushing and screening): A. water circuit 1. open system 2. closed system 3. no water circuit (B) slurry impoundment 1. berm stability a.) seepage b.) vegetative cover c.) freeboard 2. acid producing potential C. not investigated D. not applicable
14. Domestic Wastewater Treatment Facilities: A. type of system 1. activated sludge package plant 2. lagoon - sandfilters 3. septic tank w/sand filters 4. other B. sand filter maintenance 1. weeds 2. raking 3. sand replacement C. chlorination D. certified operator (E) not investigated F. not applicable

LEGEND: O = parameter inspected: Ø = comment or question on the parameter

NOTE: Items circled were considered during this investigation. If nothing under a major item was investigated, circle either "not investigated" or "not applicable". Violation means violation or apparent violation.

 NO VIOLATIONS FOUND✓ SEE ATTACHMENT

Indicated Parameter

Comments or Action Taken

Check Column

No.	Vio- lation	Non-Vio- lation
GEN		✓
8F		✓
8J		✓

ATTACHMENT

Freeman United Coal Company
Fidelity #11
March 25, 1986

GENERAL COMMENTS: During the investigation, I spoke extensively with Bill Smith, Permit Manager, and Glen Hamilton, Reclamation Supervisor, regarding reapplication for an NPDES permit and responses to two review letters from Ed Bakowski, IEPA Permit Manager. I told Mr. Hamilton that some of the information requested in Form 2C was duplicative of that previously submitted in an application under Log #2004-86 and that it would be all right to reference the material submitted in that application.

During my last investigation, I observed a couple of areas on site which appear to be used for the dumping of domestic trash. The areas I observed had quite an accumulation of domestic garbage and I told Mr. Hamilton that the garbage must be removed and disposed of properly. Mr. Hamilton and I revisited the trash areas and it appears that adequate measures had been taken to clean up the garbage. I suggested to Mr. Hamilton that the posting of signs may help towards reducing the occurrence of the unauthorized dump sites.

8F: I observed the pond on the southern section of the site with discharge 005. The temporary channel for discharge 006 was well under construction and according to Gary Potter, Site Foreman, the channel should be complete within the next couple of days. Providing that the weather holds out, rip-rap can be placed on the channel walls almost immediately. Mr. Potter said that once all of the rip-rap is in place that the upper slopes will be seeded and mulched.

8F8: I discussed with Mr. Hamilton the location of the discharge as it concerns the taking of samples. I told Mr. Hamilton that NPDES discharge designations were generally at the outfall of the pond and not at the permit boundaries given the assumption that the two locations are not the same. In either event, the subject company would be responsible for the water quality regardless of where the discharge designation is made. I told Mr. Hamilton that I did not believe that the water that will be leaving discharge 006 will be any different than the water now leaving 005.

8J: This site is permitted under NPDES Permit IL000302. Note: All DMR's have been submitted in accordance with permit conditions.



Gary L. Minton
Environmental Protection Specialist

GLM/br/0141M/03/31/86

cc: MPCP/Records Unit
IDMM